Title (en)

SIMPLE MEMBRANE ASSAY DEVICE

Title (de)

EINZELMEMBRAN-TESTANORDNUNG

Title (fr)

DISPOSITIF DE DOSAGE À MEMBRANE UNIQUE

Publication

**EP 2426498 A1 20120307 (EN)**

Application

**EP 10769709 A 20100426**

Priority

- JP 2010057389 W 20100426
- JP 2009109724 A 20090428

Abstract (en)

Disclosed is a simple device for a membrane assay using the lateral flow immunoassay method, whereby a subject to be detected can be detected at a high sensitivity, provided with, as a label drying pad, a substrate which has a higher tensile strength than glass fiber and can well release a label. The present invention provides a simple membrane assay device, comprising: a supporting board, a sample supply part, a label containing a labeling component which labels a subject to be detected, a development part formed with a detection part which includes a trapping reagent for detecting or quantifying the subject to be detected, and an absorption part, wherein a non-woven fabric which includes fibers having a fiber diameter of 0.05 to 10 μm is used in the labeling component part.

IPC 8 full level

**G01N 33/543** (2006.01); **G01N 33/558** (2006.01)

CPC (source: EP KR US)

**G01N 33/5302** (2013.01 - KR); **G01N 33/54386** (2013.01 - EP); **G01N 33/54388** (2021.08 - KR US); **G01N 33/558** (2013.01 - EP); **G01N 33/561** (2013.01 - EP US); **G01N 33/563** (2013.01 - KR); **G01N 33/58** (2013.01 - KR)

Cited by

US11828755B2; US11327075B2; US11209427B2; US11867693B2; US11287426B2; US11885803B2; US9823247B2; US10006911B2; US10359423B2; US10578616B2; US11635432B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2426498 A1 20120307**; **EP 2426498 A4 20121114**; **EP 2426498 B1 20150701**; JP 5694922 B2 20150401; JP WO2010126011 A1 20121101; KR 101761426 B1 20170725; KR 20120022829 A 20120312; US 2012077261 A1 20120329; US 8940525 B2 20150127; WO 2010126011 A1 20101104

DOCDB simple family (application)

**EP 10769709 A 20100426**; JP 2010057389 W 20100426; JP 2011511394 A 20100426; KR 20117025441 A 20100426; US 201113283047 A 20111027